

Research paper on Physics Invention

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Unit or Course: Language Arts

Lesson Duration: 0

Preparation Time: 0

Grades: 10

Topics or Keywords: Research, Physics, Inventions

Lesson Overview

Students will use electronic databases, library media, NoodleTools and Google Docs to research and answer the question: What is a physics invention that has significantly affected your life and how was it created?

Students will complete notecards and an outline using NoodleTools. The 3-4 page paper will be written on Google Docs.

Attachments:

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Alignment to Standards

Academic Standards

Technology Literacy Standards and Expectations Disciplines :Research, Problem Solving and Communication Strand, 9

3.2.
Compare, evaluate, and select appropriate electronic resources to locate specific information.

Technology Literacy Standards and Expectations Disciplines :Research, Problem Solving and Communication Strand, 9

3.3.
Select the most appropriate search engines and directories for specific research tasks.

English Language Arts Disciplines :Language Strand, 9

4.24.
Use knowledge of Greek, Latin, and Norse mythology, the Bible, and other works often alluded to in British and American literature to understand the meanings of new words.

English Language Arts Disciplines :Language Strand, 9

4.25.
Use general dictionaries, specialized dictionaries, thesauruses, or related references as needed to increase learning.

English Language Arts Disciplines :Composition Strand, 9

24.5.
Formulate open-ended research questions and apply steps for obtaining and evaluating information from a variety of sources, organizing information, documenting sources in a consistent and standard format, and presenting research.

Vocational Standards

Assessments

Assessment Instructions

Attachments:

Research rubric.doc

Products And Performances

The students will produce a 3-4 page paper.

Attachments:

MCAS Questions

Instructional Strategies

Key Concepts

How do I gather information on a topic and communicate the results in a paper?

Attachments:

Specific Skills

The students will be using multimedia skills to research a topic.

Attachments:

Activities And Procedures

Students will use NoodleTools and databases from the Library to gather information on an invention that affected their life.

Attachments:

NoodleTools for Physics Paper 3.ppt

Extensions And Modifications

Some students will require modifications to the requirement for the number of notecards and the number of pages that they will complete. Pre-teaching of technology concepts and additional review may be needed to keep pace with the assignment.

Attachments:

Material or Resources

Material and Resources

Students will need access to the internet during the unit.

Book Computer or Library Lab

Library media specialist will be helpful.

Attachments:

Websites

Students will need to access/start an account on NoodleTools and Google Docs. They will also need to access online/ electronic databases from the library. Many districts have accounts for their students and faculty. Ask you Technology Administrator.

References